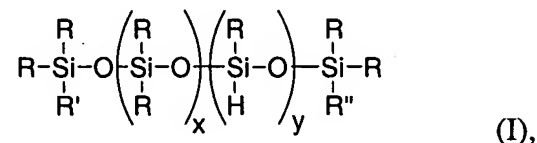


Claims:

1. A process for preparing alkoxy-substituted polyorganosiloxane comprising reacting at least one polyorganosiloxane of the formula



in which at least one hydrogen atom is bound to a silicon atom;

R represents one or more identical or different radicals which are linear or branched, saturated, monounsaturated or polyunsaturated alkyl, aryl, alkaryl and aralkyl radicals optionally substituted with haloalkyl groups, siloxy groups and/or triorganosiloxy groups;

R' and R'' are each, independently of one another, H or R;

x is an integer from 0 to 300 and

y is, independently of x, an integer from 0 to 100;

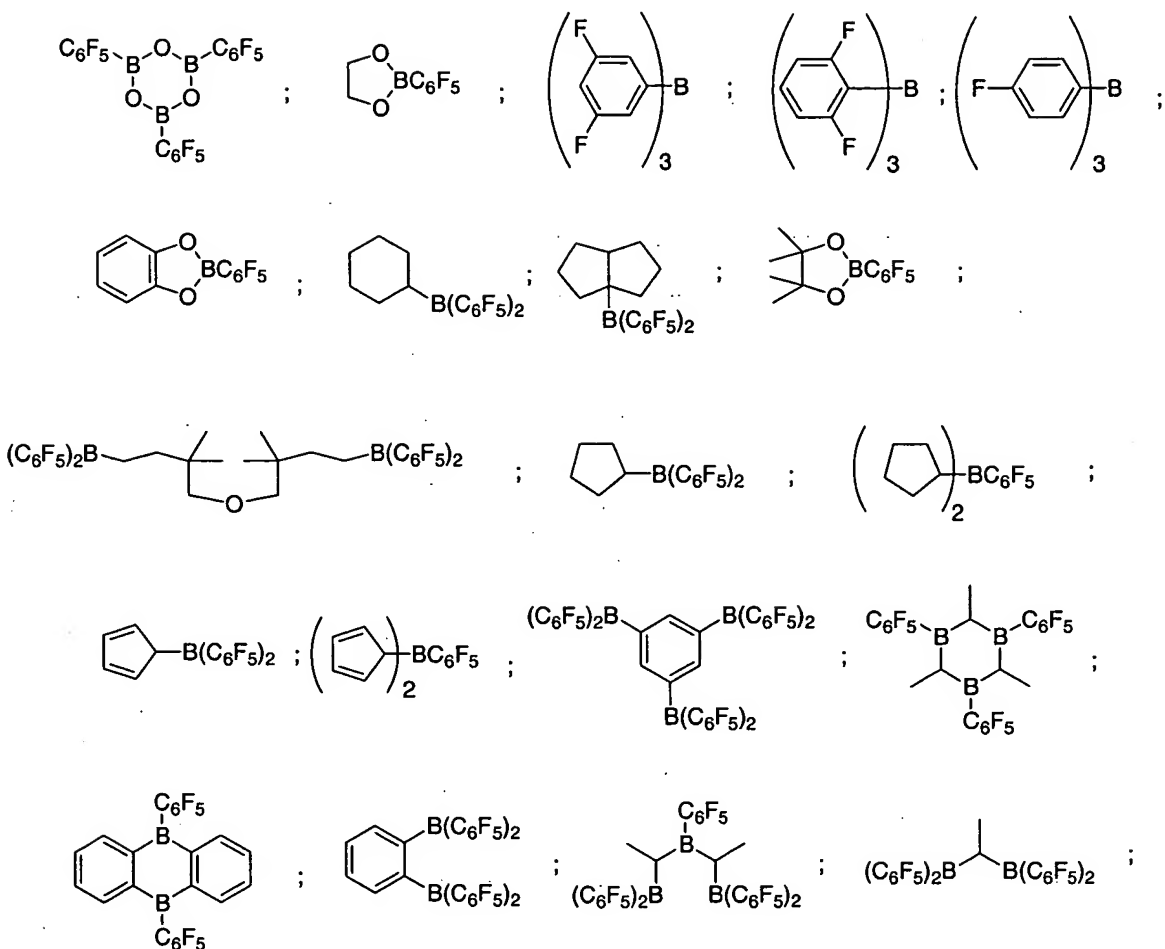
with at least one alcohol which is linear or branched, saturated, monounsaturated or polyunsaturated, aromatic or aliphatic-aromatic monoalcohol or polyalcohol, a polyether monoalcohol, a polyether polyalcohol, or aminoalcohol,

in the presence of a main group III and/or transition group III catalyst and, optionally, a solvent.

2. The process according to claim 1 wherein R represents one or more identical or different radicals which are linear or branched, saturated, monounsaturated or polyunsaturated

alkyl, aryl, alkaryl or aralkyl radicals having from 1 to 20, carbon atoms each optionally substituted with haloalkyl groups having from 1 to 20 carbon atoms, siloxy groups and/or triorganosiloxy groups;

3. The process according to claim 2 wherein R represents one or more identical or different radicals which are linear or branched, saturated, monounsaturated or polyunsaturated alkyl, aryl, alkaryl or aralkyl radicals having from 1 to 10 carbon atoms, each optionally substituted by haloalkyl groups having from 1 to 20 carbon atoms, siloxy groups and/or triorganosiloxy groups and the alcohols are a N-alkyl alcohol, an arylamino-EO-alcohol, an arylamino alcohol or a mixture of the foregoing.
4. The process according to claim 1 wherein the catalyst is an aluminum-containing catalyst, a scandium containing catalyst, a yttrium-containing catalyst, a lanthanum-containing catalyst, a lanthamide-containing catalyst or a mixture of any of the foregoing.
5. The process according to claim 4 wherein the ligands on the catalyst are halides, alkyl groups, fluorine-containing groups, a cycloaliphatic group or a heterocyclic group.
6. The process according to claim 5, wherein the catalyst used is selected from the group consisting of:  $(C_5F_4)(C_6F_5)_2B$ ;  $(C_5F_4)_3B$ ;  $(C_6F_5)BF_2$ ;  $BF(C_6F_5)_2$ ;  $B(C_6F_5)_3$ ;  $BCl_2(C_6F_5)$ ;  $BCl(C_6F_5)_2$ ;  $B(C_6H_5)(C_6F_5)_2$ ;  $B(Ph)_2(C_6F_5)$ ;  $[C_6H_4(mCF_3)]_3B$ ;  $[C_6H_4(pOCF_3)]_3B$ ;  $(C_6F_5)B(OH)_2$ ;  $(C_6F_5)_2BOH$ ;  $(C_6F_5)_2BH$ ;  $(C_6F_5)BH_2$ ;  $(C_7H_{11})B(C_6F_5)_2$ ;  $(C_8H_{14}B)(C_6F_5)$ ;  $(C_6F_5)_2B(OC_2H_5)$ ;  $(C_6F_5)_2B-CH_2CH_2Si(CH_3)_3$ ;



and a mixture thereof.

7. The process according to claim 4, wherein, the catalyst is selected from the group consisting of tris(perfluorotriphenylborane), boron trifluoride etherate, the borane-triphenylphosphine complex, triphenylborane, triethylborane and boron trichloride, tris(pentafluorophenyl)boroxin (9Cl), 4,4,5,5-tetramethyl-2-(pentafluorophenyl)-1,3,2-dioxaborolane (9Cl), 2-(pentafluorophenyl)-1,3,2-dioxaborolane (9Cl), bis(pentafluorophenyl)cyclohexylborane, di-2,4-cyclopentadien-1-yl(pentafluorophenyl)borane (9Cl), (hexahydro-3a(1H)-pentalenyl)bis(pentafluorophenyl)borane (9Cl), 1,3-[2-[bis(pentafluorophenyl)boryl]ethyl]tetramethyldisiloxane, 2,4,6-tris(pentafluorophenyl)borazine (7Cl, 8Cl, 9Cl), 1,2-dihydro-2-(pentafluorophenyl)-1,2-azaborine (9Cl),

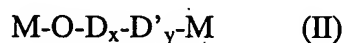
2-(pentafluorophenyl)-1,3,2-benzodioxaborole (9Cl), tris(4-trifluoromethoxyphenyl)borane, tris(3-trifluoromethylphenyl)borane, tris(4-fluorophenyl)borane, tris(2,6-difluorophenyl)borane, tris(3,5-difluorophenyl)borane, methylum triphenyltetrakis(pentafluorophenyl)borate, N,N-dimethylanilinium tetrakis(pentafluorophenyl)borate and mixtures thereof.

8. The process according to claim 4, wherein the catalyst is selected from the group consisting of  $\text{AlCl}_3$ , aluminum acetylacetonate,  $\text{AlF}_3$ , aluminum trifluoromethanesulfonate, di-*i*-butylaluminum chloride, di-*i*-butylaluminum hydride, triethylaluminum and mixtures thereof.
9. The process according to claim 4, wherein the catalyst used is selected from the group consisting of: scandium(III) chloride, scandium(III) fluoride, scandium(III) hexafluoroacetylacetonate, scandium(III) trifluoromethanesulfonate, tris-(cyclopentadienyl)scandium and mixtures thereof.
10. The process according to claim 4, wherein the catalyst used is selected from the group consisting of: tris(cyclopentadienyl)yttrium, yttrium(III) chloride, yttrium(III) fluoride, yttrium(III) hexafluoroacetylacetonate, yttrium(III) naphthenate and mixtures thereof.
11. The process according to claim 4, wherein the catalyst used is selected from the group consisting of: lanthanum(III) chloride, lanthanum(III) fluoride, lanthanum(III) iodide, lanthanum(III) trifluoromethanesulfonate, tris(cyclopentadienyl)lanthanum and mixtures thereof.
12. The process according to claim 4, wherein the catalyst used is selected from the group

consisting of: cerium(III) bromide, cerium(III) chloride, cerium(III) fluoride, cerium(IV) fluoride, cerium(III) trifluoroacetylacetonate, tris(cyclopentadienyl)cerium, europium(III) fluoride, europium(II) chloride, praeodymium(III) hexafluoroacetylacetonate, praeodymium(III) fluoride, praeodymium(III) trifluoroacetylacetonate, samarium(III) chloride, samarium(III) fluoride, samarium(III) naphthenate, samarium(III) trifluoroacetylacetonate, ytterbium(III) fluoride, ytterbium(III) trifluoromethanesulfonate, tris(cyclopentadienyl)ytterbium and mixtures thereof.

13. The process according to claim 1, wherein the alcohol used is selected from the group consisting of: methanol, ethanol, fluoroalcohol, butyl polyether alcohols, allyl polyether alcohols, nonylphenol polyether alcohols, polyether alcohols containing ethylene oxide and/or propylene oxide and/or styrene oxide and/or butylene oxide, amino alcohols and mixtures thereof.
14. The process according to claim 1, wherein the molar ratio of SiH groups to alcohol groups ranges from about 1:1.0 to about 1:3.0.
15. The process according to claim 1, wherein the molar ratio of SiH groups to alcohol groups ranges from about 1:0.1 to about 1:0.99.
16. The process according to claim 1, wherein the polyorganosiloxane is terminal polyoryamosiloxane, a lateral polyorganosiloxane or mixed-structure polyorganosiloxanes.
17. The process according to claim 1, wherein the polyorganosiloxane of formula (I) is comb-like,  $\alpha,\omega$ -disubstituted or a mixed polydimethylhydrogensiloxane (I).

18. The process as claimed in claim 17, wherein the polyorganosiloxanes are selected from the group consisting of compounds of the formula (II):



where

M is trialkylsilyl,

D is (dialkylsilyloxy),

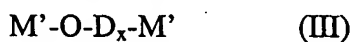
D' is  $\begin{array}{c} \text{CH}_3 \\ | \\ -\text{Si}-\text{O}- \\ | \\ \text{H} \end{array}$ ,

x is an interger from 0 to 300, and

y is, independently of x an interger from 0 to 100.

19. The process according to claim 18, wherein M is trimethylsilyl and d is dimethylsiloxy.

20. The process as claimed in claim 12, wherein the polyorganosiloxanes are selected from the group consisting of compounds of the formula (III):



where

M' is dialkyl(hydrogen)silyl, and

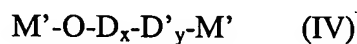
D is (dialkylsilyloxy), and

X is an interger from 0 to 300.

21. The process according to claim 20, wherein M is dimethylhydrogensilyl and d is

dimethylsiloxy.

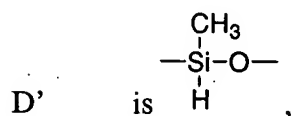
22. The process as claimed in claim 12, wherein the polyorganosiloxanes used are selected from the group consisting of compounds of the formula (IV):



where

M' is dialkyl(hydrogen)silyl,

D is (dialkylsilyloxy).



x is an interger from 0 to 300 and

y is, independently of x, an interger from 0 to 100.

23. The process according to claim 22 wherein M is dimethylhydrogensilyl and d is dimethylsiloxy.
24. The process according to claims wherein the reaction is carried out in the absence of solvents.
25. An alkoxy-substituted polyorganosiloxane obtainable by a process as claimed in claim 1.
26. A paint, polyurethane, foam stabilizer or plastic which comprise an alkoxy-substituted polyorganosiloxane according to claim 25.
27. A treatment agent for a textile which comprises an alkoxy-substituted olyorganosiloxane.